

## Arithmetic Operations with Integers

**Addition** - Model using signs (+, -), chips (O positive, ● negative), and/or a number line.

1.  $4 + 2$

2.  $8 + (-2)$

3.  $(-3) + 12$

4.  $7 + 5$

5.  $(-7) + (-2)$

6.  $(-5) + (-6)$

\*Write a rule to describe how to add positive numbers together.

\*Write a rule to describe how to add negative numbers together.

\*Write a rule how to add integers together with different signs.

**Subtraction** - Model using signs (+, -), chips (O positive, ● negative), and/or a number line after showing the equivalent addition problem.

1.  $5 - 8$

2.  $2 - (-4)$

3.  $(-3) - 5$

4.  $(-7) - (-5)$

5.  $(-5) - 2$

6.  $(-4) - (-9)$

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Multiplication - Solve.

1.  $(2)(4)$
2.  $(3)(5)$
3.  $(-3)(4)$
4.  $(2)(-5)$
5.  $(-3)(-4)$
6.  $(-5)(-2)$

\*Write a rule to describe how to multiply two positive integers together.

\* Write a rule to describe how to multiply two negative integers together.

\*Write a rule to describe how to multiply two integers of different signs together.

Division - Solve

1.  $24 \div 6$
2.  $36 \div 9$
3.  $(-10) \div 2$
4.  $15 \div (-3)$
5.  $(-28) \div 4$
6.  $(-50) \div (-2)$

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1.  $(2)(4)$
2.  $(3)(5)$
3.  $(-3)(4)$
4.  $(2)(-5)$
5.  $(-3)(-4)$
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